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<p>(54) Title: METHOD AND DEVICE FOR MEASURING INTERNAL CHARACTERISTIC DISTRIBUTION OF SCATTERING/ABSORBING BODY</p> <p>(54) 発明の名称 散乱吸収体の内部特性分布の計測方法及び装置</p> <p>(57) Abstract</p> <p>A method of measuring the internal characteristic distribution of a scattering/absorbing body, comprising allowing a light beam to enter a medium to be measured, detecting the light beam transmitted through the medium, collecting measured values of a predetermined parameter for each of combinations of the position where the light beam enters and the position where the light beam is detected, setting a reference value of the absorption coefficient, finding estimated values of the parameter for each of the combinations, defining a weight function for each voxel according to the micro-Beer-Lambert's law, calculating the differences in absorption coefficient between voxels by using the measured values of the parameter, the estimated values, and the weight function, and calculating the absolute values of the absorption coefficients of the voxels.</p>			
<p>22...WAVELENGTH SELECTOR 23...LIGHT SOURCE 26...PHOTODETECTOR 40...FIRST STORAGE 42...INTERNAL CHARACTERISTIC DISTRIBUTION MEASURING PROGRAM 50...SECOND STORAGE 51...BASIC OPTICAL PATH LENGTH DISTRIBUTION DATA FILE 52...MEASURED DATA FILE 53...INPUT DATA FILE 54...ABSORPTION COEFFICIENT DATA FILE 55...ABSORBATION COMPONENT DENSITY DATA FILE 56...IMAGE MEMORY 62...WORK MEMORY 70...INPUT DEVICES 71...KEYBOARD 72...MOUSE 80...OUTPUT DEVICES 81...DISPLAY 82...PRINTER</p>			

FLOWCHARTS FOR 35 U.S.C. § 102(e) DATES:

Apply to all applications and patents, whenever filed

Chart I: For U.S. patent or U.S. patent application publication under
35 U.S.C. §122(b) (includes publications of § 371 applications)